Subject Index 1985

Numbers following items designate the month of issue and page number. Thus, 6:30 means page 30 of the June issue.

A

ABS polymers
modified, 4:29
producing precision parts, 9:33
toughness, processability, decoratability, 1:37
Acetal resins, producing precision parts, 9:33
Additives
cadmium, 4:55
cellulosic fibers, polyester reinforcement, 10:47
color in gamma-sterilized PVC, 9:47
EMI shielding, stainless-steel fibers, 8:31
fillers, reinforcements, 12:27
flame retardants, 2:23
innovation and specialization, 1985, 6:25
January roundup, 1:63
March roundup, 3:87
November roundup, 11:45
stabilizing strategies for LLDPE resins, 7:35
Aerosols, PET containers, 12:39
Alumina trihydrate, flame retardant compound, 2:23
ANTEC
abstracts of papers, 3:25
exhibitors listing, 3:23
index of abstracts, 3:24
meeting April 29–May 2, 1985, Washington, D.C., 3:17
SPE seminar listing, 3:21
Antimony oxide, flame retardants, 2:23
Antioxidants, developments, 6:30
Antistats
developments, 6:28
usage, 11:45
Awards, PIAD recognizes Detroit, 12:55

B

Blowing agents, developments, 6:30
Blowmolding complex, irregularly shaped parts, 3:59
Blown-film cooling, two-way air flow, 10:37
Boss, design, 4:43
Brominated retardants, flame retardants, 2:23

C

Cadmium, plastic colorant, 4:55
Carbon black, short supply, 1:63
Catalyst
new additives, 3:67
usage, 11:45
Cellulosic fibers, polyester reinforcement, 10:47
Chlorinated phosphorus, flame retardants, 2:23
Chlorinated products, flame retardants, 2:23
Coatings, UV-cured, optical-grade resin, 1:59
Color, gamma-sterilized PVC, effects of additives, 9:47
Colorants
innovations, 6:26
usage, 11:45
Compact digital disk, polycarbonate and, 7:27
Corona, PE surfaces, 12:45
Coupling agents
new additives, 3:67
usage, 11:45

D

DEHP plasticizer, children's products, 3:67
Design
bosses, 4:43
coated PET containers, 5:83
composite tanker trucks, 3:63
flame-retardant nylon, 9:51
free-blown PET preforms, 6:47
lasers and polycarbonate, 7:27
moldmakers battle foreign prices, 11:23
PET containers, 12:39
plastic surfaces, treated with cold gas plasmas, 10:41
retortable plastic cans, 2:41
ultrasonic welding, 8:35
UV-cured coatings protect optical-grade resins, 1:59
Draw resonance, reduction of, LLDPE film resins, 5:87
Drying agent
molecular sponge, 1:63
retrotable plastic cans, 2:41

E

Elastomers, new family, 9:57
Electromagnetic interference, shielding, stainless-steel fibers, 8:31
Electronic components, encapsulated, deflashing of, 6:35
EMI: *see* Electromagnetic interference
Ethylene vinyl alcohol layer, retortable plastic cans, 2:41
Extruder screws
dealing with wear, 1:53
high-yield, 8:27
Extrusion technology, high capacity screw, LLDPE and MDPE, 4:49

F

Filler composites, phenoxy, 11:37
Fillers/reinforcements, developments, 6:31, 12:27
Film, LLDPE and HMW HDPE, coloring schemes for, 5:91
Finishing, deflashing encapsulated electronic components, 6:35
Flame retardants
developments, 6:28
nylon, controlling tracking in, 9:51
time-buying compounds, 2:23
usage, 11:45
Fragrance, usage, 11:45

G

Gas plasma, cold, treating plastic surfaces, 10:41
Grocery sacks, plastic, 6:43

H

Halogenated compounds, flame retardants, 2:23
Hazardous chemicals, transport of, composite tanker trucks, 3:63
High molecular weight polyethylene, film resins, coloring schemes for, 5:91

L

Laser, polycarbonate and, 7:27
Linear-low-density polyethylene
film resins, 5:87
coloring schemes for, 5:91
resin, stabilizing strategies, 7:35

M

Machinery
imports vs U.S. machinery builders, 7:17
toggle clamping force, 2:47
wear in extruder screws, 1:53
Materials
elastomers, 9:57
engineering, new level of credibility, 1:37
engineering resins, 1:37, 2:33, 4:29
low-density polyethylene, 12:35
phenoxy resins, 11:37
plastics in automotive, 10:27
structural foam, 8:17
replacement for polar resins, 9:59
Melt temperatures, measurement, 7:39
Molding, unattended, 1:69
Moldmakers, U.S., foreign prices and, 11:23
Molecular sponge, drying agent, 1:63

N

Nylon
electrical properties, wide property range, 1:37
flame-retardant, controlling tracking in, 9:51
impact strength, high stillness, transparency and, 1:37
modified, 4:29
producing precision parts, 9:33
stiffness, creep and fatigue resistance, 1:37
strength, toughness, abrasion, and chemical resistance, 1:37

O

Optical-surface, UV-cured coatings, 1:59

P

Packaging, plastic grocery sacks, 6:43
PDCPD: *see* Polydicyclopentadiene
PET: *see* Polyethylene terephthalate
Phenolics
heat and dimensional stability, 1:37
heat and hydrolytic stability, 1:37
modified, 4:29
producing precision parts, 9:33
Phenoxy, upgrading filler composites, 11:37
Phenylene ether copolymer, producing precision parts, 9:33
Phosphorus compounds, flame retardants, 2:23
Plastic bottle, test, 11:33
Plasticizers
developments and trends, 6:25
new additives, 3:67

Polycarbonate
lasers and, 7:27
producing precision parts, 9:33
Polydicyclopentadiene, new structural resin, 11:41
Polyester, reinforcement, cellulosic fibers, 10:47
Polyetheretherketone
modified, 4:29
producing precision parts, 9:33
Polyetherimide resin
heat resistance, strength, electrical properties and, 1:37
modified, 4:29
producing precision parts, 9:33
Polyethylene
corona-treated surfaces, 12:45
high molecular weight, film resins, 5:91
linear low density
film resins, 5:87, 91
resin, stabilizing strategies, 7:35
low density, properties of, 12:35
very low-density, replacement for polar resins, 9:59
Polyethylene terephthalate
containers, coated, 5:83, 12:39
free-blown, bottles, 6:47
Polyphenylene oxide, producing precision parts, 9:33
Polyphenylene sulfide
heat and chemical resistance, 1:37
modified, 4:29
producing precision parts, 9:33
Polysulfone, producing precision parts, 9:33
Polyvinyl chloride, gamma-sterilized, color in, additive effects, 9:47
Processing
blowmolding complex, 3:59
corona-treated PE surfaces, 12:45
engineering resins, 9:33
extruding LLDPE and MDPE black jacketing compounds, 4:49
glass-reinforced resins, 2:37
high-yield extruder screw, 8:27
LLDPE film resins, 5:87
melt-temperature measurement, 7:39
polydicyclopentadiene, 11:41
RIM applications, 6:39
two-way air flow, blown-film cooling and, 10:37
unattended molding, 1:69
Processing aids
developments, 6:32
new additives, 3:67
usage, 11:45

R

Reaction injection molding (RIM), applications and markets, 6:39
Reinforced plastics, processing methods and machinery, 4:61
Report, Interplas' 85, 12:49
Resin
engineering, 9:33, 4:29
flame retardants, 2:23
glass-reinforced, processing of, 2:37
LLDPE, stabilizing strategies for, 7:35
LLDPE film, 5:87
new blends, 2:33
optical-grade, UV-cured coatings, 1:59
phenoxy, upgrading filler composites, 11:37
polar, very low-density polyethylene as a replacement, 9:59
structural, polydicyclopentadiene, 11:41
thermoplastic, new level of credibility, 1:37, 4:29
Retortable plastic cans, ethylene vinyl alcohol layer, 2:41
RIM: *see* Reaction injection molding
RP/C Conference, reinforced plastics, 4:61

S

SMA terpolymers
intermediate heat resistance, processability and, 1:37
modified, 4:29
producing precision parts, 9:33
Society of Plastics Engineers
annual report for 1984, 5:97
ANTEC 1985, 3:17
officers, 1985–86, 4:66
SPE Directory, 1985–1986, 9:71
Stabilizers
developments, 6:34
new additives, 3:67
usage, 11:45
Stainless-steel fibers, EMI shielding, 8:31
Structural foam, future, 8:17

T

Tanker trucks, composite, 3:63
Testing, plastic bottle, 11:33
Thermoplastic polyesters
high heat stability, electrical properties and, 1:37
modified, 4:29
producing precision parts, 9:33
Thermoplastic polyurethanes
abrasion, low temperature, fuel oil resistance and, 1:37
modified, 4:29
producing precision parts, 9:33
Thermoplastic resins, new level of credibility, 1:37, 4:29
Titanium dioxide, short supply, 1:63
Toggle injection-molding machines, setting and monitoring, 2:47

U

Ultrasonic welding, groundwork for, 8:35

W

Wrapup
ANTEC 1985, 7:45
NPE 1985, 8:39, 9:85, 10:51

Author Index 1985

Albert, R. J., 12:39
Arnold, E. S., 4:43

Barborek, F. J., 12:35

Capolupo, J. D., 7:35
Castagno, J. M., 12:27

Dealy, J. M., 10:37
Duffy, J. J., 9:51

Farrell, C. J., 2:41
Fazey, A. C., 11:33

Gallagan, S. T., 8:35
Gay, F. P., 12:39
Geer, R. P., 11:41
Gerbig, S. D., 2:37
Gwinn, A. J., 4:61, 5:29, 6:25, 8:39, 9:65, 10:51, 12:27

Hall, C. M., 6:39
Halsall, K. , 1:69
Housel, D. S., 9:47
Hwang, B. K., 4:49

Ilardo, C. S., 9:51

Kadash, M. M., 12:45
Kharazi, A., 4:49
Kim, H.-T., 8:27
Kochajda, M., 2:47
Kuhlke, W. C., 5:97
Kurtz, S. J., 5:87, 9:59

Leigner, F. P., 6:47
Liston, E. M., 10:41
Loewer, H., 7:27
Longo, R., 1:59
Lucchesi, P. J., 5:87
Lupton, E. C., Jr., 1:59
Lynch, R. F., 4:55

Malloy, R. A., 4:43
Merriam, C. N., 11:37
Mimeault, V. J., 5:91

Nablo, J. C., 8:31
Newton, J. R., 5:83
Nicholas, T., 4:49

Orroth, S. A., 4:43

Peters, D. L., 3:59
Plecnik, J., 3:63
Plecnik, J. M., 3:63

Rappaport, M., 2:33
Rathman, J. R., 3:59
Rideout, D. K., 2:47
Riess, R., 7:27
Roberts, E. H., 5:87
Robeson, L. M., 11:37
Rose, P. W., 10:41

Seckner, A. J., 12:39
Seefried, C. G., Jr., 12:45
Semsarzadeh, M. A., 10:47
Short, R., 3:63
Shortridge, T. J., 11:33
Siebenaller, J. S., 6:43
Simmonds, D. F. C., Jr., 1:59
Sroog, C. E., 12:39
Steward, E. L., 1:53, 7:39
Stoutland, R. D., 11:41
Strater, K. F., 10:37
Strelez, J. M., 7:45, 11:45

Tolokan, R. P., 8:31
Troy, E. J., 11:33
Tsai, B. C., 2:41

Wachtel, J. A., 2:41
Wigotsky, V., 1:37, 2:23, 4:29, 5:29, 7:17, 8:17, 9:33, 10:27, 11:23, 12:49, 55

Zecher, R. F., 6:35